

**IN THE SPECIFICATION:**

A substitute specification is submitted herewith that responds to the issues raised in the Office Action. In this regard, the following comments are provided to address certain points raised in the Action.

1) The objections to Figures 6, 11, 13, 14, and 17 are noted and the description of these figures has been updated in the specification.

2) The objection to paragraph [0066] is believed to be improper since it is based on the published application, not the specification as originally filed. Referring to page 13, line 28, of the application as filed, the correct formula is recited. The published application incorrectly characterizes " $n_r$ " as " $n$ ". Since the specification is correct, there is no need to make a change in this regard.

3) The objection to the specification regarding the labeling in Figures 3 and 4 is not understood. Reference numerals 10, 13-16, 17, and 20 are described on page 5-9 of the specification in conjunction with the description of Figure 1 and 2. Therefore, there is a corresponding description of the reference numerals in the specification.

3) For Figures 7 and 8, the graphs I, II, and III are described in paragraph [0022], and a further description is not deemed to be necessary.

4) For Figure 12a, the dimensions "a" and "b" are explained in paragraph [0087], with "t" explained in paragraphs [0025] and [0068]. The dimension "d" is obviously the difference between "a" and "t", and does not require explanation in the specification.

5) For Figures 16a and 16b, the description is believed to be fully explanatory in terms of the location of the field with respect to the waveguide and dielectric, and a further explanation is not required for understanding of these drawings.

6) For Figure 18, a paragraph has been added to provide the necessary description.

7) The "quasi-metallic state" is explained in paragraph [0054] and does not require any further explanation.

It is submitted that the changes or arguments against the noted objections resolve all issues raised regarding the specification, and the objection should be withdrawn.